## IAP12 Rec'd PCT/PTO 04 MAY 2006

## IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Confirmation No. **TBA** Application No. : (To Be Assigned) PCT/EP2004/052774 First Named Inventor Karl-Ernst HUMMEL Filed May 4, 2006 TC/A.U. (To Be Assigned) Examiner (To Be Assigned) Docket No. 037141.57706US Customer No. 23911 Non-Positve-Displacement Machine Comprising a Spiral Title Channel Provided in the Housing Middle Part INFORMATION DISCLOSURE STATEMENT UNDER 37 C.F.R § § 1.97 AND 1.98 Commissioner for Patents P.O. Box 1450 Alexandria, VA 22313-1450 Sir: In accordance with the duty of disclosure under 37 C.F.R. § 1.56, the attached Form PTO-1449 lists documents which the Examiner may deem relevant to patentability of the claims of the above-identified application. I. Time Period of Submission This Information Disclosure Statement is submitted: M no later than three months from the application's filing date 1) or 2) before the mailing date of the first Office Action on the merits (whichever is later) or 3) before a first Office Action after the filing of a Request for Continued Examination, and therefore no statement under 37 C.F.R. § 1.97(e) or fee under 37 C.F.R.§ 1.17(p) is required. after the later of three months from the application's filing date and the mailing date of the first Office Action on the merits, but before a Final Office Action, a Notice of Allowance, or an action closing prosecution (Ex parte Quayle), (whichever is earlier), and therefore Applicant is filing concurrently herewith: a Statement under 37 C.F.R. § 1.97(e); or a fee in the amount of \$180.00 under 37 C.F.R. § 1.17(p). after either a Final Office Action or a Notice of Allowance, but

before payment of the Issue Fee, and therefore Applicant is submitting herewith:

Atty. Docket No.: 037141.57706US PATENT

a Statement under 37 C.F.R. § 1.97(e); and

a fee in the amount of \$180.00 under 37 C.F.R. § 1.17(p).

II. Statement Under 37 C.F.R. § 1.97(e)
I hereby state that each item of information contained in this Information Disclosure Statement was first cited in any communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of this Information Disclosure Statement; or
I hereby state that no item of information contained in this Information Disclosure Statement was cited in a communication from a foreign patent office in a counterpart foreign application, and, to my knowledge after making a reasonable inquiry, no item of information contained in this Information Disclosure Statement was known to any individual designated in 37 C.F.R. § 1.56(c) more than three months prior to the filing of this Information Disclosure Statement; or
III. Statement under 37 C.F.R. § 1.704(d)
I hereby state that each item of information contained in this Information Disclosure Statement was first cited in any communication from a foreign patent office in a counterpart application and that this communication was not received by any individual designated in 37 C.F.R. § 1.56(c) more than thirty days prior to the filing of this Information Disclosure Statement.
IV. Submission of Non-English Language Documents
☐ The following is a concise explanation of relevance of the non- English language documents listed in the attached Form PTO-1449:
The relevance of document(s) to the subject matter of the present invention is/are provided in the specification of the above-identified application.
Corresponding foreign or international report(s) citing document(s) <u>AE</u> , together with an English-language version(s) (if not already in English) of that portion of the report(s) indicating the degree of relevance found by the foreign office(s) is/are submitted.
English language family member publication(s) of document(s) is/are noted on Form PTO-1449.

English language abstract(s) is/are submitted for document(s)

10/578187

		Atty. D	ocket No.: 03	37141.57706US PATENT
English transl	ation(s) of	AP12R0 the for	eign langua	0 04 MAY 2006 ge document(s)
Applicant s	submits	the	following	explanations:
V. <u>Continuations/Divisionals</u>				
Documents v, filed, provided in 37 C.F.R. §1.98(d), co	from which	ı this ap	plication clai	ims benefit. As
since they were previously submit Trademark Office in the afore-mer	ted to or cit	ed by th	ne United Sta	
The submission of the liste that any such document constitut application. Applicant does not we appropriate to antedate or otherwi- reference against the claims of the	tes prior ar aive any rig ise remove	t agains ght to ta any liste	st the claims ke any action ed document	of the present n that would be
If necessary, this paper shown Deposit Account 05-1323, Attorne forth in 37 C.F.R. § 1.17(p).				
	Respec	etfully s	ubmitted,	
May 4, 2006	J. D. Ł	lvané	Lunder	
CDOWN A MODING LLD	Regist	ration N	Io. 26,269	
CROWELL & MORING LLP Intellectual Property Group	Vincer	nt J. Sur	nderdick	
P.O. Box 14300			To. 29,004	
Washington, DC 20044-4300				
Telephone No.: (202) 624-2500				
Facsimile No.: (202) 628-8844 JDE:VJS:alw				

## IAP12 Rec'd PCT/PTO 04 MAY 2006

PTO/SB/08a (08-03)

Approved for use through 07/31/2006. OMB 0651-0031
U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449A/PTO				Complete if Known			
				Application Number (To Be Assigned) (PCT/EP2004/052774			
INFORMATION DISCLOSURE STATEMENT BY APPLICANT				Filing Date	May 4, 2006		
				First Named Inventor	Karl-Ernst HUMMEL		
				Art Unit	(To Be Assigned)		
(use as many sheets as necessary)			v)	Examiner Name	(To Be Assigned)		
Sheet	1	of	1	Attomey Docket Number	037141.57706US		

	Cite	te Document Number		Publication Date	Name of Patentee or	Pages, Columns, Lines, Where
	No.¹	Number-Kind Code <sup>2</sup> (if	known)	MM-DD-YYYY	Applicant of Cited Document	Relevant Passages or Relevant Figures Appear
	AA	US- 4,598,542		07/08/1986	Reynolds	
	AB	US- 4,009,568		03/01/1977	King et al.	
	AC	US- 3,844,676		10/29/1974	Betteridge	
	AD	US- 6,145,846	A	11/14/2000	Slack et al.	
	AE	US- 5,951,019	A	09/14/1999	Slack et. al.	Corresponds to AD
		US-				
		US-				

FOREIGN PATENT DOCUMENTS							
Examiner Initials'	Cite No.1	Foreign Patent Document  Country Code <sup>3</sup> -Number <sup>4</sup> -Kind Code <sup>5</sup> (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T <sup>®</sup>	
	AF	EP 1 394 366 A1	03/03/2004	BorgWarner Inc.			
	AG	GB 1 315 307	05/02/1973	C.A.V. Limited			
						<u> </u>	

NON PATENT LITERATURE DOCUMENTS					
Examiner Initials*	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T²		
	АН	International Search Report dated March 8, 2005 (Six (6) pages).			

Examiner	Date	
Signature	Considered	

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. 1 Applicant's unique citation designation number (optional). 2 See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. 3 Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). 4 For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. 5 Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. 6 Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.